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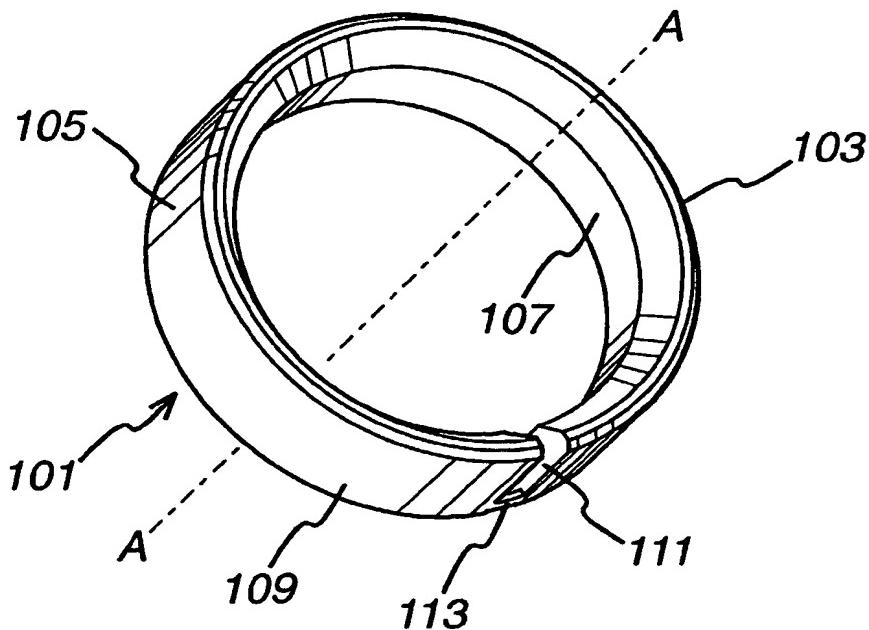
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[Continued on next page]

(54) Title: FIXATION DEVICE



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(57) Abstract: A fixation device (101) which is for fixing together two parts (100, 110) of a multi-part assembly and which has a ring-like body (103) which is movable from a manufactured state, in which the body is manufactured with an endless angular extent and a weakened zone (113) therein, and a use state, in which the ring-like body is split (115) at the weakened zone.



**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16B21/18 F16B39/00 F16B2/20 A61M15/00 B65D83/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16B A61M B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/28887 A (GODFREY JAMES WILLIAM ; JONES ANTHONY PATRICK (GB); RAND PAUL KENNE) 26 April 2001 (2001-04-26) abstract; figures page 3, line 25 -page 4, line 13 page 7, line 1-4 page 7, line 28 -page 8, line 2 page 10, line 25 -page 12, line 9 ---	1-18,20
X	DE 887 716 C (HOUBENWERKE) 27 August 1953 (1953-08-27) the whole document ---	19
A	---	1-5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

19 July 2004

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/000663

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"WALDES TRUARC RETAINING RING" MACHINE DESIGN, PENTON, INC. CLEVELAND, US, Vol. 61, no. 1, 12 January 1989 (1989-01-12), page 161 XP000045387 ISSN: 0024-9114 the whole document -----	1-5
A	US 3 853 413 A (PARRAN M) 10 December 1974 (1974-12-10) the whole document -----	
A	US 1 638 209 A (CHARLES NIEBUHR WILLIAM) 9 August 1927 (1927-08-09) the whole document -----	

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/000663

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 21-23 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 21-23

Claims 21-23 make references to the description and the drawings, Rule 6.2(a) PCT.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2004/000663

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0128887	A	26-04-2001		AT 259744 T AU 762744 B2 AU 7918100 A BR 0014363 A CA 2387160 A1 CN 1379725 T DE 60008402 D1 WO 0128887 A1 EP 1220802 A1 JP 2003512157 T US 2003136800 A1 ZA 200201608 A AU 8582501 A BR 0112481 A CA 2415297 A1 CN 1443081 T WO 0205879 A1 EP 1301230 A1 JP 2004503338 T US 2003183226 A1		15-03-2004 03-07-2003 30-04-2001 11-06-2002 26-04-2001 13-11-2002 25-03-2004 26-04-2001 10-07-2002 02-04-2003 24-07-2003 26-05-2003 30-01-2002 22-07-2003 24-01-2002 17-09-2003 24-01-2002 16-04-2003 05-02-2004 02-10-2003
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